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→  M-1462

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 7784-000338

First Inventor Roger R. Brinkley et al

Title METHOD AND APPARATUS FOR REMOTE INITIATION OF ARINC 615 DOWNLOADS

Express Mail Label No. EL 835741469 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.  
See 37 CFR 1.27.
- Specification [Total Pages 15]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 U.S.C.113) [Total Sheets 3]
- Oath or Declaration [Total Pages 3]
- Newly executed (original or copy)
- Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
- Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

- Assignment Papers (cover sheet & document(s))
- 37 C.F.R. §3.73(b) Statement  Power of Attorney (when there is an assignee)
- English Translation Document (if applicable)
- Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- Certified Copy of Priority Document(s) (if foreign priority is claimed)
- Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- Other: Check

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP)

of prior application No. \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

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| Signature         |                |                                   | Date   |

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# FEE TRANSMITTAL for FY 2001

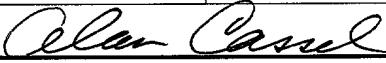
Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 780.00)

| Complete if Known    |                         |
|----------------------|-------------------------|
| Application Number   |                         |
| Filing Date          |                         |
| First Named Inventor | Roger R. Brinkley et al |
| Examiner Name        |                         |
| Group / Art Unit     |                         |
| Attorney Docket No.  | 7784-000338             |

| METHOD OF PAYMENT (check one)  |                       |                       |                 | FEE CALCULATION (continued)   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
|--|-----------------------|-----------------------|-----------------|---|----------|--|--|-----------------------|-----------------------|-----------------------|-----------------|-----------------|----------|-------|-----|------|-------------------------------------|--------------------|------|-----|------|--|-----|-------------------|-----|-----|---------------------------------------|-----|-------|------------------|-------|--|-----|------|-----|--------------------|--|-----|--------|-----|--------|---|-----|-----|-----|----|--|-----|-----|-----|-----|---|-----|-----|-----|-----|--|-----|-------|-----|-----|---|-----|-------|-----|-----|--|-----|-----|-----|-----|------------------|-----|-----|-----|-----|--|-----|-----|-----|-----|--------------------------|-----|-------|-----|-------|---|-----|-----|-----|----|----------------------------------|-----|-------|-----|-----|------------------------------------|-----|-------|-----|-----|--------------------------------|-----|-----|-----|-----|------------------|-----|-----|-----|-----|-----------------|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|---|-----|-----|-----|-----|---|-----|----|-----|----|--|-----|-----|-----|-----|---|-----|-----|-----|-----|--|-----|-----|-----|-----|---|-----|-----|-----|-----|---|---------------------------|--|--|--|-----------------------------------|--|--|--|-------------------------|--|
| <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to</p> <p>Deposit Account Number <span style="border: 1px solid black; padding: 2px;">08-0750</span></p> <p>Deposit Account Name <span style="border: 1px solid black; padding: 2px;">Harness, Dickey &amp; Pierce</span></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>   |                       |                       |                 | <p><b>3. ADDITIONAL FEES</b></p> <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive – unavoidable</td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive – unintentional</td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td>Petitions related to provisional applications</td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td colspan="2">SUBTOTAL (3) (\$ 40.00)</td> </tr> </tbody> </table> |          |  |  | Fee Code              | Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description | Fee Paid        | 105      | 130   | 205 | 65   | Surcharge - late filing fee or oath | 127                | 50   | 227 | 25   | Surcharge - late provisional filing fee or cover sheet | 139 | 130               | 139 | 130 | Non-English specification             | 147 | 2,520 | 147              | 2,520 | For filing a request for reexamination             | 112 | 920* | 112 | 920*               | Requesting publication of SIR prior to Examiner action     | 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | 115 | 110 | 215 | 55 | Extension for reply within first month | 116 | 400 | 216 | 200 | Extension for reply within second month | 117 | 920 | 217 | 460 | Extension for reply within third month | 118 | 1,440 | 218 | 720 | Extension for reply within fourth month | 128 | 1,960 | 228 | 980 | Extension for reply within fifth month | 119 | 310 | 219 | 155 | Notice of Appeal | 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | 121 | 270 | 221 | 135 | Request for oral hearing | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | 140 | 110 | 240 | 55 | Petition to revive – unavoidable | 141 | 1,240 | 241 | 620 | Petition to revive – unintentional | 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | 143 | 440 | 243 | 220 | Design issue fee | 144 | 600 | 244 | 300 | Plant issue fee | 122 | 130 | 122 | 130 | Petitions to the Commissioner | 123 | 130 | 123 | 130 | Petitions related to provisional applications | 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) | 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) | 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) | 169 | 900 | 169 | 900 | Request for expedited examination of a design application | Other fee (specify) _____ |  |  |  | *Reduced by Basic Filing Fee Paid |  |  |  | SUBTOTAL (3) (\$ 40.00) |  |
| Fee Code   | Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description | Fee Paid  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 105  | 130                   | 205                   | 65              | Surcharge - late filing fee or oath   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 127  | 50                    | 227                   | 25              | Surcharge - late provisional filing fee or cover sheet  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 139  | 130                   | 139                   | 130             | Non-English specification   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 147  | 2,520                 | 147                   | 2,520           | For filing a request for reexamination  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 112  | 920*                  | 112                   | 920*            | Requesting publication of SIR prior to Examiner action  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 113  | 1,840*                | 113                   | 1,840*          | Requesting publication of SIR after Examiner action   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 115  | 110                   | 215                   | 55              | Extension for reply within first month  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 116  | 400                   | 216                   | 200             | Extension for reply within second month   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 117  | 920                   | 217                   | 460             | Extension for reply within third month  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 118  | 1,440                 | 218                   | 720             | Extension for reply within fourth month   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 128  | 1,960                 | 228                   | 980             | Extension for reply within fifth month  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 119  | 310                   | 219                   | 155             | Notice of Appeal  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 120  | 310                   | 220                   | 155             | Filing a brief in support of an appeal  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 121  | 270                   | 221                   | 135             | Request for oral hearing  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 138  | 1,510                 | 138                   | 1,510           | Petition to institute a public use proceeding   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 140  | 110                   | 240                   | 55              | Petition to revive – unavoidable  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 141  | 1,240                 | 241                   | 620             | Petition to revive – unintentional  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 142  | 1,240                 | 242                   | 620             | Utility issue fee (or reissue)  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 143  | 440                   | 243                   | 220             | Design issue fee  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 144  | 600                   | 244                   | 300             | Plant issue fee   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 122  | 130                   | 122                   | 130             | Petitions to the Commissioner   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 123  | 130                   | 123                   | 130             | Petitions related to provisional applications   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 126  | 180                   | 126                   | 180             | Submission of Information Disclosure Stmt   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 581  | 40                    | 581                   | 40              | Recording each patent assignment per property (times number of properties)  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 146  | 710                   | 246                   | 355             | Filing a submission after final rejection (37 CFR § 1.129(a))   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 149  | 710                   | 249                   | 355             | For each additional invention to be examined (37 CFR § 1.129(b))  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 179  | 710                   | 279                   | 355             | Request for Continued Examination (RCE)   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 169  | 900                   | 169                   | 900             | Request for expedited examination of a design application   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| Other fee (specify) _____  |                       |                       |                 |   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| *Reduced by Basic Filing Fee Paid  |                       |                       |                 | SUBTOTAL (3) (\$ 40.00)   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>  |                       |                       |                 |   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| FEE CALCULATION  |                       |                       |                 |   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| <p>1. BASIC FILING FEE</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>740</td><td>201</td><td>370</td><td>Utility filing fee</td><td>740</td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>510</td><td>207</td><td>255</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>740</td><td>208</td><td>370</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table>        |                       |                       |                 |   |          |  |  | Large Entity Fee Code | Fee (\$)              | Small Entity Fee Code | Fee (\$)        | Fee Description | Fee Paid | 101   | 740 | 201  | 370                                 | Utility filing fee | 740  | 106 | 330  | 206  | 165 | Design filing fee |     | 107 | 510                                   | 207 | 255   | Plant filing fee |       | 108  | 740 | 208  | 370 | Reissue filing fee |  | 114 | 160    | 214 | 80     | Provisional filing fee                              |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| Large Entity Fee Code  | Fee (\$)              | Small Entity Fee Code | Fee (\$)        | Fee Description   | Fee Paid |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 101  | 740                   | 201                   | 370             | Utility filing fee  | 740      |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 106  | 330                   | 206                   | 165             | Design filing fee   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 107  | 510                   | 207                   | 255             | Plant filing fee  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 108  | 740                   | 208                   | 370             | Reissue filing fee  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 114  | 160                   | 214                   | 80              | Provisional filing fee  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| <p>SUBTOTAL (1) (\$ 740.00)</p>  |                       |                       |                 |   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| <p>2. EXTRA CLAIM FEES</p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Independent Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>20</td><td>-20**</td><td>0</td><td>X 18</td><td>= 0</td></tr> <tr><td>3</td><td>-3**</td><td>0</td><td>X 84</td><td>= 0</td></tr> <tr><td></td><td></td><td></td><td>X</td><td>= 0</td></tr> </tbody> </table>   |                       |                       |                 |   |          |  |  | Total Claims          | Independent Claims    | Extra Claims          | Fee from below  | Fee Paid        | 20       | -20** | 0   | X 18 | = 0                                 | 3                  | -3** | 0   | X 84 | = 0  |     |                   |     | X   | = 0                                   |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| Total Claims   | Independent Claims    | Extra Claims          | Fee from below  | Fee Paid  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 20   | -20**                 | 0                     | X 18            | = 0   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 3  | -3**                  | 0                     | X 84            | = 0   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
|  |                       |                       | X               | = 0   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>109</td><td>84</td><td>209</td><td>42</td><td>** Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td></tr> </tbody> </table> |                       |                       |                 |   |          |  |  | Large Entity Fee Code | Fee (\$)              | Small Entity Fee Code | Fee (\$)        | Fee Description | 103      | 18    | 203 | 9    | Claims in excess of 20              | 102                | 84   | 202 | 42   | Independent claims in excess of 3                      | 104 | 280               | 204 | 140 | Multiple dependent claim, if not paid | 109 | 84    | 209              | 42    | ** Reissue independent claims over original patent | 110 | 18   | 210 | 9                  | ** Reissue claims in excess of 20 and over original patent |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| Large Entity Fee Code  | Fee (\$)              | Small Entity Fee Code | Fee (\$)        | Fee Description   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 103  | 18                    | 203                   | 9               | Claims in excess of 20  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 102  | 84                    | 202                   | 42              | Independent claims in excess of 3   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 104  | 280                   | 204                   | 140             | Multiple dependent claim, if not paid   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 109  | 84                    | 209                   | 42              | ** Reissue independent claims over original patent  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| 110  | 18                    | 210                   | 9               | ** Reissue claims in excess of 20 and over original patent  |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |
| <p>SUBTOTAL (2) (\$ 0)</p>   |                       |                       |                 |   |          |  |  |                       |                       |                       |                 |                 |          |       |     |      |                                     |                    |      |     |      |  |     |                   |     |     |                                       |     |       |                  |       |  |     |      |     |                    |  |     |        |     |        |   |     |     |     |    |  |     |     |     |     |   |     |     |     |     |  |     |       |     |     |   |     |       |     |     |  |     |     |     |     |                  |     |     |     |     |  |     |     |     |     |                          |     |       |     |       |   |     |     |     |    |                                  |     |       |     |     |                                    |     |       |     |     |                                |     |     |     |     |                  |     |     |     |     |                 |     |     |     |     |                               |     |     |     |     |   |     |     |     |     |   |     |    |     |    |  |     |     |     |     |   |     |     |     |     |  |     |     |     |     |   |     |     |     |     |   |                           |  |  |  |                                   |  |  |  |                         |  |

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